ROFIN-BAASEL INC

Why Maintenance is Important

Your StarWeld Performance Laser Welder was perhaps your biggest equipment investment for your business. Like any equipment purchase that you make, it's important that you continue to receive the **best return on that investment** as possible.

In order to keep it running smoothly with maximum performance, regular **preventative maintenance** tasks are required. A good analogy is the purchase of an automobile as its cost is similar to the laser. We all know it's important to keep the oil changed, rotate the tires, check the fluid levels and keep it clean, but how many of us keep to a strict schedule for these important tasks? I'll bet that most of us do the preventative maintenance when a problem comes up! Unfortunately, the costs of the preventative maintenance will now include expensive repairs; **Repairs that might not have occurred had we done some regular preventative maintenance.**

The good news is that **it's not too late!** With preventative maintenance performed on your laser now, it can be re-energized, re-invigorated and perform just like new. Unlike an automobile, laser systems have very few moving parts to wear out. There are however **critical items** that must be serviced on a regular basis to insure maximum performance including;

- Changing the water filter & water (at 1 year)
- Replacing the flash lamp & contacts (at 18-24 months)
- Replacing the air filter (at 24-26 months)
- Cleaning or replacing the protection glass (as needed)
- Cleaning the heat exchanger fins (once a year)

You might ask "Why perform these maintenance tasks if my laser is running well right now?"
The answer is that **your laser may NOT be running well right now!** A laser provides energy for welding with a certain power setting. Studies have shown that older lasers exhibit a loss of as much as 50% of the output power expected, due to heat build up, flash lamp degradation and laser path obstructions.

As an Example: If you need to set your voltage higher to do the same work that used to require a lower voltage, then there is a problem. **You are "over programming" the laser to compensate for degradation in performance**. This leads to deeper penetration into the material which could cause undesirable results. You can never be sure of what the welding results will be.

Many users have reported fantastic improvement in performance after regular maintenance. More consistent welds, stronger welds, faster repair times and piece of mind knowing that **what you expect is what you get**.

Rofin-Baasel is committed to insuring your success and we want to make sure you have the best performance possible from your laser welder. When ordering, ask for Spare Parts Kit SWP 6002, P/N 0497-00004. Our Preventive Maintenance Kit consists of:

- Flash Lamp
- Two lamp Contacts
- Protection Glass
- Water Filter
- Air Filter
- Two Halogen Lamps
- Lens Cleaning Paper
- Instructions

We urge you to purchase a Preventive Maintenance Kit and install items needed to keep on getting the **best return on your investment!**